



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4131-041**  
**Job Sheet 187917**



Part No: D4131-041

Job Qty: 4 pcs

DAS  
21  
9-89

Part Name: Manifold Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/20/18

Job Tracking No:

Due Date: 1/31/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C SHEETS 1,4 IPP Rev:A 10.10.06 new issue DD verf:EC IPP Rev:B 11.09.26 AS PER REV.B DD verf:EC

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                 | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|---------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                           |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Large Fab - Welded Assy-1 | 4 pcs | 1/31/19    | 1/31/19  | 0.00      | 6.06    | Large Fab - 1         |           | JBr      |
|       |                           |       |            |          |           |         | Large Fab - 10        |           |          |
|       |                           |       |            |          |           |         | Large Fab - 2         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 3         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 4         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 5         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 6         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 7         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 8         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 9         |           |          |
| 110   | QC 9                      | 4 pcs | 1/31/19    | 1/31/19  | 0.00      | 0.00    | QC 9 - 10             |           | a        |
|       |                           |       |            |          |           |         | QC 9 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 50             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 9              |           |          |
| 120   | QC 5                      | 4 pcs | 1/31/19    | 1/31/19  | 0.00      | 0.00    | QC 5 - 10             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 12             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 17             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 19             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 22             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 3              |           |          |
|       |                           |       |            |          |           |         | QC 5 - 38             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 42             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 49             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 51             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 58             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 68             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 9              |           |          |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |



|                                 |       |         |           |                        |                  |
|---------------------------------|-------|---------|-----------|------------------------|------------------|
|                                 |       |         |           | QC 5 - 50              | EL               |
|                                 |       |         |           | QC 5 - 30              |                  |
| 124 Small Fab - 2 - B4B         | 4 pcs | 1/31/19 | 0.00 0.48 | Small Fab - 1 - B4B    |                  |
|                                 |       |         |           | Small Fab - 2 - B4B    |                  |
|                                 |       |         |           | Small Fab - 3 - B4B    | DAS              |
|                                 |       |         |           | Small Fab - 4 - B4B    | 38               |
|                                 |       |         |           | Small Fab - 5 - B4B    | 9-80             |
|                                 |       |         |           | Small Fab - 6 - B4B    |                  |
|                                 |       |         |           | Small Fab - 7 - B4B    |                  |
| 126 QC 5                        | 4 pcs | 1/31/19 | 0.00 0.00 | QC 5 - 10              |                  |
|                                 |       |         |           | QC 5 - 12              |                  |
|                                 |       |         |           | QC 5 - 17              |                  |
|                                 |       |         |           | QC 5 - 18              |                  |
|                                 |       |         |           | QC 5 - 19              |                  |
|                                 |       |         |           | QC 5 - 22              |                  |
|                                 |       |         |           | QC 5 - 24              |                  |
|                                 |       |         |           | QC 5 - 3               |                  |
|                                 |       |         |           | QC 5 - 38              |                  |
|                                 |       |         |           | QC 5 - 42              |                  |
|                                 |       |         |           | QC 5 - 43              |                  |
|                                 |       |         |           | QC 5 - 49              |                  |
|                                 |       |         |           | QC 5 - 51              |                  |
|                                 |       |         |           | QC 5 - 58              | DAS              |
|                                 |       |         |           | QC 5 - 68              | FEB 01 2019 68   |
|                                 |       |         |           | QC 5 - 9               | 9-89             |
|                                 |       |         |           | QC 5 - 50              |                  |
|                                 |       |         |           | QC 5 - 30              |                  |
| 130 Packaging 3-1 - Stock - B4B | 4 pcs | 1/31/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |                  |
|                                 |       |         |           | Packaging 3 - 10 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 11 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 12 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 13 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 14 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 15 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 16 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 17 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 18 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 19 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 20 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 21 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 22 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 23 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 24 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 25 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 26 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 27 - B4B | 5079 FEB 04 2019 |
|                                 |       |         |           | Packaging 3 - 28 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 29 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 30 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 31 - B4B |                  |
|                                 |       |         |           | Packaging 3 - 32 - B4B |                  |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                      |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |



|                |       |         |           |                        |                   |
|----------------|-------|---------|-----------|------------------------|-------------------|
|                |       |         |           | Packaging 3 - 33 - B4B |                   |
|                |       |         |           | Packaging 3 - 34 - B4B |                   |
|                |       |         |           | Packaging 3 - 35 - B4B |                   |
| 140 QC 21 - SA | 4 pcs | 1/31/19 | 0.00 0.00 | QC 21 - SA - 21        | DAS<br>21<br>9-28 |
|                |       |         |           | QC 21 - SA - 70        |                   |

Part Op 100 - Weld per dwg A/R S.S. rod Batch: \_\_\_\_\_

Descriptions: 110 - QC9- Inspect visual per QSI004- Fusion Welds  
 120 - QC5- Inspect part completeness to step on W/O  
 124 - Small Fab  
 126 - QC5- Inspect part completeness to step on W/O  
 130 - Identify as per dwg & Stock Location: \_\_\_\_\_  
 140 - QC21- Final Inspection - Work Order Release

FEB 04 2019

| Job BOM     |                |              |                               |                               |
|-------------|----------------|--------------|-------------------------------|-------------------------------|
| Part / Item | Component Name | Quantity     | Operation                     | Container                     |
| D4131-1     | Front Plate    | 4 pcs (1 ea) | 100-Large Fab - Welded Assy-1 | 912708-1/5-S126643            |
| D4131-3     | Base           | 4 pcs (1 ea) | 100-Large Fab - Welded Assy-1 | S121650                       |
| D4131-5     | Side Plate     | 8 pcs (2 ea) | 100-Large Fab - Welded Assy-1 | 5095751-1/S119409-6/S121640-5 |
| D4131-9     | Label Plate    | 4 pcs (1 ea) | 124-Small Fab - 2 - B4B       | S128520                       |
| MS20615-3M3 | Rivet          | 8 Ea (2 ea)  | 124-Small Fab - 2 - B4B       | F121859-40                    |

| Job Allocations               |                |          |           |           |
|-------------------------------|----------------|----------|-----------|-----------|
| Operation                     | Component Part | Required | Inventory | Allocated |
| 100-Large Fab - Welded Assy-1 | D4131-1        | 4        | 11        | 0         |
|                               | D4131-3        | 4        | 11        | 0         |
|                               | D4131-5        | 8        | 13        | 0         |
| 124-Small Fab - 2 - B4B       | D4131-9        | 4        | 18        | 0         |
|                               | MS20615-3M3    | 8        | 1,606     | 0         |

| Part Specifications                |  |
|------------------------------------|--|
| Specifications could not be found. |  |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

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| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           /Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div> |  |  |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>DART AEROSPACE</b><br/>           Container No: S148934<br/>           Part: D4131 - 041<br/>           Job No: 187917<br/>           Serial No/Batch: S148934<br/>           Revision: _____<br/>           Inspector: _____<br/>           Exp Date: _____<br/>           Instructions: Various STC's<br/>           Date: 01/29/19         </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           1270 Aberdeen Street<br/>           Newbury, ON K6A 1K7<br/>           CANADA<br/>           TEL: 613 632-5200<br/>           Email: sales@dartaero.com<br/>           www.dartaerospace.com         </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
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| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> | <div style="display: flex; justify-content: space-between;"> <div>           Bending <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/><br/>           Mislabeled <input type="checkbox"/> </div> <div>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Incomplete/Unclear Instructions <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/> </div> <div>           Grain Direction <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set/Set-up <input type="checkbox"/> </div> <div>           Positioned Wrong <input type="checkbox"/><br/>           Outside Tolerance <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Misread <input type="checkbox"/> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |